50128945 CANAL PRINCIPAL DE RIEGO DEL VALLE DE LAJAS AT BO. PALMAREJO NR LAJAS, PR

CANAL PRINCIPAL DE RIEGO DEL VALLE DE LAJAS BASIN

LOCATION.--Lat 18°02′23″, long 67°04′44″ referenced to North American Datum of 1927, Lajas Municipio, PR, Hydrologic Unit 21010004, 0.2 mi (0.32 km) south from Palmarejo School, 1.6 mi (2.57 km) southwest from Lajas plaza church, and 0.5 mi (0.80 km) northwest from Universidad de Puerto Rico, Estación Experimental Agrícola.

DRAINAGE AREA.--Indeterminate.

SURFACE-WATER RECORDS

PERIOD OF RECORD.--January 2001 to current year.

GAGE.--Water-stage recorder, satellite telemetry at station. Elevation of gage is about 98 ft (29.9 m) above National Geodetic Vertical Datum (NGVD) of 1929, from topographic map.

REMARKS.--Records poor. Regulated at all stages by Lago Loco dam. Lajas Filtration Plant is located about 1.68 mi (2.704 km) upstream.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, undetermined, September 22, 2008, gage height, 3.36 ft (1.024 m); no flow many days each year.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 30 ft^3/s (0.850 m^3/s), gage height, 2.23 ft (0.680 m), May 4; minimum daily discharge, 0.00 ft^3/s (0.000 m^3/s), November 1.

50128945 CANAL PRINCIPAL DE RIEGO DEL VALLE DE LAJAS AT BO. PALMAREJO NR LAJAS, PR—Continued

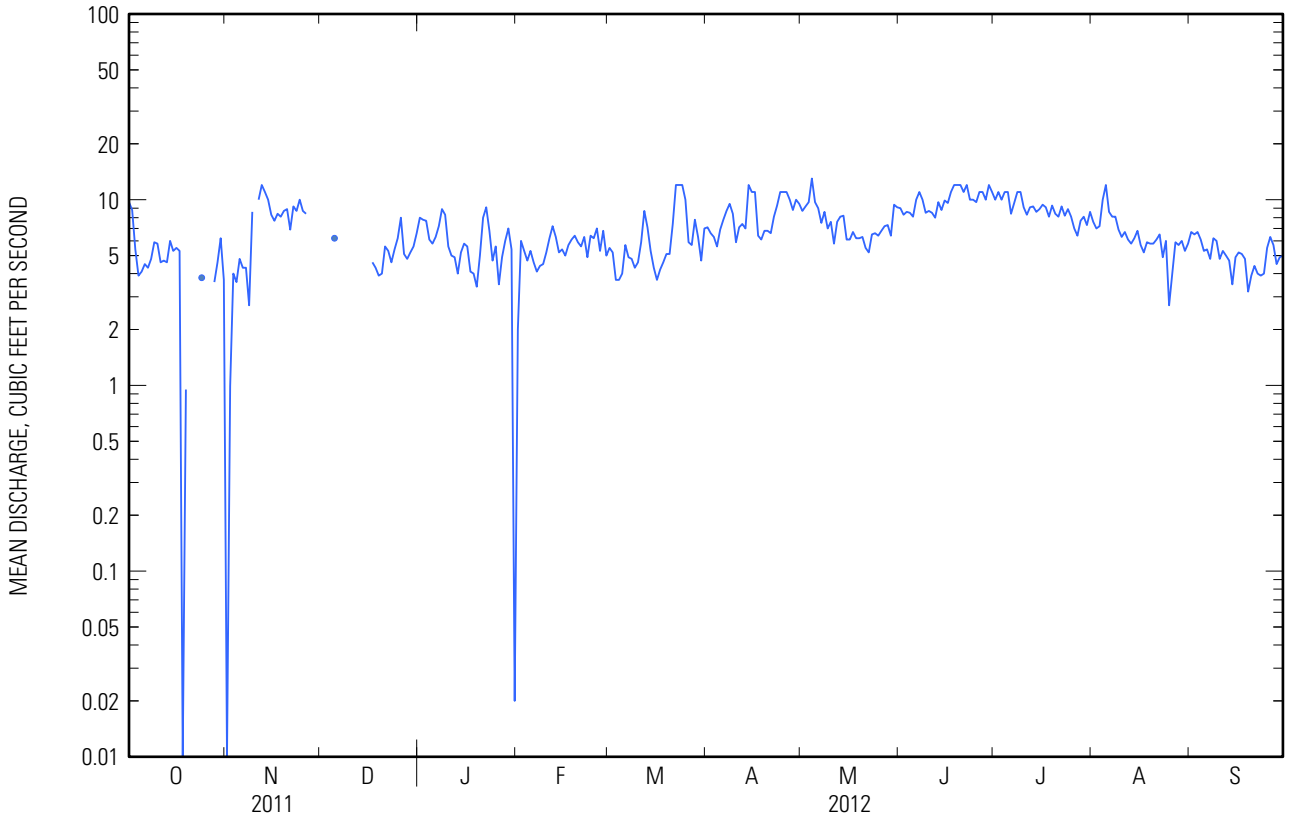
DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2011 TO SEPTEMBER 2012
DAILY MEAN VALUES

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	9.7	0.00	---	8.0	2.0	5.5	7.1	8.7	9.0	10	7.6	6.7
2	8.8	0.99	---	7.8	6.0	5.2	6.6	9.2	8.3	11	7.0	6.5
3	5.4	4.0	---	7.7	5.3	3.7	6.3	9.7	8.6	10	7.2	6.7
4	3.9	3.6	---	6.1	4.7	3.7	5.6	13	8.5	11	10	6.1
5	4.1	4.8	6.2	5.8	5.3	4.0	6.9	9.7	8.1	11	12	5.3
6	4.5	4.3	---	6.3	4.6	5.7	7.8	9.0	10	8.4	8.6	5.4
7	4.3	4.3	---	7.2	4.1	4.9	8.7	7.5	11	9.6	8.1	4.8
8	4.8	2.7	---	8.9	4.4	4.8	9.5	8.6	10	11	8.1	6.2
9	5.9	8.6	---	8.3	4.5	4.3	8.4	7.0	8.5	11	6.9	6.0
10	5.8	---	---	5.6	5.2	4.6	5.9	7.6	8.7	9.1	6.3	4.8
11	4.6	10	---	5.0	6.2	5.9	7.1	5.8	8.5	8.3	6.7	5.3
12	4.7	12	---	4.9	7.2	8.7	7.4	7.6	8.0	9.1	6.1	5.0
13	4.6	11	---	4.0	6.3	7.1	7.0	8.1	9.7	9.2	5.8	4.7
14	6.0	10	---	5.2	5.2	5.3	12	8.2	8.8	8.6	6.2	3.5
15	5.3	8.3	---	5.8	5.4	4.3	11	6.1	9.9	8.9	6.8	4.9
16	5.5	7.7	---	5.6	5.0	3.7	11	6.1	9.6	9.4	5.7	5.2
17	5.3	8.4	4.6	4.1	5.7	4.2	6.4	6.7	11	9.1	5.2	5.1
18	0.01	8.1	4.3	4.0	6.1	4.6	6.1	6.2	12	8.1	5.9	4.8
19	0.95	8.7	3.9	3.4	6.4	5.1	6.8	6.2	12	9.3	5.8	3.2
20	---	8.9	4.0	5.0	5.9	5.1	6.8	6.3	12	8.4	5.8	3.9
21	---	6.9	5.6	8.0	5.6	7.4	6.6	5.5	11	8.1	6.1	4.4
22	---	9.2	5.3	9.1	6.3	12	8.1	5.2	12	9.2	6.5	4.0
23	---	8.7	4.6	6.8	4.9	12	9.3	6.5	10	8.2	4.9	3.9
24	3.8	10	5.4	4.7	6.4	12	11	6.6	10	8.9	6.0	4.0
25	---	8.7	6.2	5.6	6.2	10	11	6.4	9.7	8.1	2.7	5.5
26	---	8.4	8.0	3.5	7.0	5.9	11	6.8	11	7.0	4.0	6.3
27	---	---	5.1	4.9	5.3	5.7	10	7.2	11	6.4	5.9	5.7
28	3.6	---	4.8	6.0	6.8	7.8	8.8	7.3	10	7.7	5.7	4.5
29	4.6	---	5.2	7.0	5.0	6.3	10	6.4	12	8.1	6.0	4.9
30	6.2	---	5.6	5.4	---	4.7	9.5	9.4	11	7.3	5.3	5.0
31	3.7	---	6.6	0.02	---	7.0	---	9.1	---	8.6	5.8	---
Total	---	---	---	179.72	159.0	191.2	249.7	233.7	299.9	278.1	200.7	152.3
Mean	---	---	---	5.80	5.48	6.17	8.32	7.54	10.0	8.97	6.47	5.08
Max	---	---	---	9.1	7.2	12	12	13	12	11	12	6.7
Min	---	---	---	0.02	2.0	3.7	5.6	5.2	8.0	6.4	2.7	3.2
Ac-ft	---	---	---	356	315	379	495	464	595	552	398	302

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 2001 - 2012, BY WATER YEAR (WY)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Mean	8.58	8.94	8.28	9.20	10.5	11.2	9.75	8.55	9.56	10.6	8.16	7.76
Max	13.1	15.3	11.9	14.0	17.4	16.7	13.0	12.0	18.0	20.0	13.6	11.3
(WY)	(2002)	(2002)	(2003)	(2003)	(2005)	(2005)	(2005)	(2008)	(2003)	(2002)	(2001)	(2001)
Min	6.14	5.95	5.48	5.80	5.48	6.17	6.73	4.85	4.75	5.43	6.07	5.08
(WY)	(2009)	(2009)	(2009)	(2012)	(2012)	(2012)	(2011)	(2011)	(2011)	(2011)	(2009)	(2012)

50128945 CANAL PRINCIPAL DE RIEGO DEL VALLE DE LAJAS AT BO. PALMAREJO NR LAJAS, PR—Continued

SUMMARY STATISTICS

	Water Years 2001 - 2012	
Annual mean	9.19	
Highest annual mean	10.2	2005
Lowest annual mean	8.23	2006
Highest daily mean	51	Nov 13, 2003
Lowest daily mean	0.00	Apr 13, 2001
Annual seven-day minimum	0.04	Aug 29, 2004
Maximum peak stage	3.36	Sep 22, 2008
Annual runoff (ac-ft)	6,660	
10 percent exceeds	15	
50 percent exceeds	8.1	
90 percent exceeds	5.4